<110> INCYTE CORPORATION; Jiang, Xin;
Becha, Shanya D.; BULLOCH, Sean A.;
CHANG, Hsin-Ru; CHAWLA, Narinder K.;
ELLIOTT, Vicki S.; EMERLING, Brooke M.;
GIETZEN, Kimberly J.; HAFALIA, April J.A.;
JACKSON, Alan A.; KABLE, Amy E.;
KHARE, Reena; LEE, Soo Yeun;
MARQUIS, Joseph P.; MURAGE, Jaji;
SWARNAKAR, Anita; YANG, Yonghong G.

<120> LIPID-ASSOCIATED MOLECULES

<130> PF-1618 PCT

<140> To Be Assigned
<141> Herewith

<150> US 60/426,105
<151> 2002-11-13

<150> US 60/433,215
<151> 2002-12-12

<150> US 60/453,127
<151> 2003-03-07

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<151> 2003-03-13

<150> US 60/465,619
<151> 2003-04-24

<150> US 60/465,495
<151> 2003-04-24

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<151> 2003-08-01

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<210> 1
<211> 114
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 7511098CD1

<400> 1
Met Lys Gly Trp Gly Trp Leu Ala Leu Leu Leu Gly Ala Leu Leu
1 5 10 15
Gly Thr Ala Trp Ala Arg Arg Ser Gln Asp Leu His Cys Gly Ala
20 25 30
Cys Arg Ala Leu Val Asp Glu Leu Glu Trp Glu Ile Ala Gln Val
35 40 45
Asp Pro Lys Lys Thr Ile Gln Met Gly Ser Phe Arg Ile Asn Pro
50 55 60
Asp Gly Ser Gln Ser Val Val Glu Cys Glu Ser Ile Val Glu Glu
65 70 75
Tyr Glu Asp Glu Leu Ile Glu Phe Phe Ser Arg Glu Ala Asp Asn
80 85 90

Val Lys Asp Lys Leu Cys Ser Lys Arg Thr Asp Leu Cys Asp His
95 100 105
Ala Leu His Ile Ser His Asp Glu Leu
110

<210> 2
<211> 87
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<213> Homo sapiens

<220>
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<400> 2
Met Gly Thr Arg Leu Leu Pro Ala Leu Phe Leu Val Leu Leu Val
1 5 10 15
Leu Gly Phe Glu Val Gln Gly Thr Gln Gln Pro Gln Gln Asp Glu
20 25 30
Met Pro Ser Pro Thr Phe Leu Thr Gln Val Lys Glu Ser Leu Ser
35 40 45
Ser Tyr Trp Glu Ser Ala Lys Thr Ala Ala Gln Asn Leu Asp Leu
50 55 60
Tyr Ser Lys Ser Thr Ala Ala Met Ser Thr Tyr Thr Gly Ile Phe
65 70 75
Thr Asp Gln Val Leu Ser Val Leu Lys Gly Glu Glu
80 85

<210> 3
<211> 248
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 7524271CD1

<400> 3
Met Ala Glu Ser His Leu Leu Gln Trp Leu Leu Leu Leu Leu Pro
1 5 10 15
Thr Leu Cys Gly Pro Gly Thr Ala Ala Trp Thr Thr Ser Ser Leu
20 25 30
Ala Cys Ala Gln Gly Pro Glu Phe Trp Cys Gln Ser Leu Glu Gln
35 40 45
Ala Leu Gln Cys Arg Ala Leu Gly His Cys Leu Gln Glu Val Trp
50 55 60
Gly His Val Gly Ala Asp Leu Ser Glu Gln Gln Phe Pro Ile Pro
65 70 75
Leu Pro Tyr Cys Trp Leu Cys Arg Ala Leu Ile Lys Arg Ile Gln
80 85 90
Ala Met Ile Pro Lys Gly Ala Leu Ala Val Ala Val Ala Gln Val
95 100 105
Cys Arg Val Val Pro Leu Val Ala Gly Gly Ile Cys Gln Cys Leu
110 115 120
Ala Glu Arg Tyr Ser Val Ile Leu Leu Asp Thr Leu Leu Gly Arg
125 130 135
Met Leu Pro Gln Leu Val Cys Arg Leu Val Leu Arg Cys Ser Met
140 145 150
Asp Asp Ser Ala Gly Pro Arg Glu Trp Leu Pro Arg Asp Ser Glu
155 160 165
Cys His Leu Cys Met Ser Val Thr Thr Gln Ala Gly Asn Ser Ser
170 175 180
Glu Gln Ala Ile Pro Gln Ala Met Leu Gln Ala Cys Val Gly Ser

```
                185                 190                 195
Trp Leu Asp Arg Glu Lys Cys Lys Gln Phe Val Glu Gln His Thr
                200                 205                 210
Pro Gln Leu Leu Thr Leu Val Pro Arg Gly Trp Asp Ala His Thr
                215                 220                 225
Thr Cys Gln Ala Leu Gly Val Cys Gly Thr Met Ser Ser Pro Leu
                230                 235                 240
Gln Cys Ile His Ser Pro Asp Leu
                245
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<210> 4
<211> 906
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte ID No: 7513132CD1

<400> 4

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  1               5                  10                  15
Ala Pro Ser Asp Ala Glu Val Leu His Leu Cys Arg Ser Leu Glu
                20                  25                  30
Val Gly Thr Val Met Thr Leu Phe Tyr Ser Lys Lys Ser Gln Arg
                35                  40                  45
Pro Glu Arg Lys Thr Phe Gln Val Lys Leu Glu Thr Arg Gln Ile
                50                  55                  60
Thr Trp Ser Arg Gly Ala Asp Lys Ile Glu Gly Ala Ile Asp Ile
                65                  70                  75
Arg Glu Ile Lys Glu Ile Arg Pro Gly Lys Thr Ser Arg Asp Phe
                80                  85                  90
Asp Arg Tyr Gln Glu Asp Pro Ala Phe Arg Pro Asp Gln Ser His
                95                 100                 105
Cys Phe Val Ile Leu Tyr Gly Met Glu Phe Arg Leu Lys Thr Leu
                110                 115                 120
Ser Leu Gln Ala Thr Ser Glu Asp Glu Val Asn Met Trp Ile Lys
                125                 130                 135
Gly Leu Thr Trp Leu Met Glu Asp Thr Leu Gln Ala Pro Thr Pro
                140                 145                 150
Leu Gln Ile Glu Arg Trp Leu Arg Lys Gln Phe Tyr Ser Val Asp
                155                 160                 165
Arg Asn Arg Glu Asp Arg Ile Ser Ala Lys Asp Leu Lys Asn Met
                170                 175                 180
Leu Ser Gln Val Asn Tyr Arg Val Pro Asn Met Arg Phe Leu Arg
                185                 190                 195
Glu Arg Leu Thr Asp Leu Glu Gln Arg Ser Gly Asp Ile Thr Tyr
                200                 205                 210
Gly Gln Phe Ala Gln Leu Tyr Arg Ser Leu Met Tyr Ser Ala Gln
                215                 220                 225
Lys Thr Met Asp Leu Pro Phe Leu Glu Ala Ser Thr Leu Arg Ala
                230                 235                 240
Gly Glu Arg Pro Glu Leu Cys Arg Val Ser Leu Pro Glu Phe Gln
                245                 250                 255
Gln Phe Leu Leu Asp Tyr Gln Gly Glu Leu Trp Ala Val Asp Arg
                260                 265                 270
Leu Gln Val Gln Glu Phe Met Leu Ser Phe Leu Arg Asp Pro Leu
                275                 280                 285
Arg Glu Ile Glu Glu Pro Tyr Phe Phe Leu Asp Glu Phe Val Thr
                290                 295                 300
Phe Leu Phe Ser Lys Glu Asn Ser Val Trp Asn Ser Gln Leu Asp
                305                 310                 315
Ala Val Cys Pro Asp Thr Met Asn Asn Pro Leu Ser His Tyr Trp
```

```
                320                 325                 330
Ile Ser Ser Ser His Asn Thr Tyr Leu Thr Gly Asp Gln Phe Ser
                335                 340                 345
Ser Glu Ser Ser Leu Glu Ala Tyr Ala Arg Cys Leu Arg Met Gly
                350                 355                 360
Cys Arg Cys Ile Glu Leu Asp Cys Trp Asp Gly Pro Asp Gly Met
                365                 370                 375
Pro Val Ile Tyr His Gly His Thr Leu Thr Thr Lys Ile Lys Phe
                380                 385                 390
Ser Asp Val Leu His Thr Ile Lys Glu His Ala Phe Val Ala Ser
                395                 400                 405
Glu Tyr Pro Val Ile Leu Ser Ile Glu Asp His Cys Ser Ile Ala
                410                 415                 420
Gln Gln Arg Asn Met Ala Gln Tyr Phe Lys Lys Val Leu Gly Asp
                425                 430                 435
Thr Leu Leu Thr Lys Pro Val Glu Ile Ser Ala Asp Gly Leu Pro
                440                 445                 450
Ser Pro Asn Gln Leu Lys Arg Lys Ile Leu Ile Lys His Lys Lys
                455                 460                 465
Leu Ala Glu Gly Ser Ala Tyr Glu Glu Val Pro Thr Ser Met Met
                470                 475                 480
Tyr Ser Glu Asn Asp Ile Ser Asn Ser Ile Lys Asn Gly Ile Leu
                485                 490                 495
Tyr Leu Glu Asp Pro Val Asn His Glu Trp Tyr Pro His Tyr Phe
                500                 505                 510
Val Leu Thr Ser Ser Lys Ile Tyr Tyr Ser Glu Glu Thr Ser Ser
                515                 520                 525
Asp Gln Gly Asn Glu Asp Glu Glu Glu Pro Lys Glu Val Ser Ser
                530                 535                 540
Ser Thr Glu Leu His Ser Asn Glu Lys Trp Phe His Gly Lys Leu
                545                 550                 555
Gly Ala Gly Arg Asp Gly Arg His Ile Ala Glu Arg Leu Leu Thr
                560                 565                 570
Glu Tyr Cys Ile Glu Thr Gly Ala Pro Asp Gly Ser Phe Leu Val
                575                 580                 585
Arg Glu Ser Glu Thr Phe Val Gly Asp Tyr Thr Leu Ser Phe Trp
                590                 595                 600
Arg Asn Gly Lys Val Gln His Cys Arg Ile His Ser Arg Gln Asp
                605                 610                 615
Ala Gly Thr Pro Lys Phe Phe Leu Thr Asp Asn Leu Val Phe Asp
                620                 625                 630
Ser Leu Tyr Asp Leu Ile Thr His Tyr Gln Gln Val Pro Leu Arg
                635                 640                 645
Cys Asn Glu Phe Glu Met Arg Leu Ser Glu Pro Val Pro Gln Thr
                650                 655                 660
Asn Ala His Glu Ser Lys Glu Trp Tyr His Ala Ser Leu Thr Arg
                665                 670                 675
Ala Gln Ala Glu His Met Leu Met Arg Val Pro Arg Asp Gly Ala
                680                 685                 690
Phe Leu Val Arg Lys Arg Asn Glu Pro Asn Ser Tyr Ala Ile Ser
                695                 700                 705
Phe Arg Ala Glu Gly Lys Ile Lys His Cys Arg Val Gln Gln Glu
                710                 715                 720
Gly Gln Thr Val Met Leu Gly Asn Ser Glu Phe Asp Ser Leu Val
                725                 730                 735
Asp Leu Ile Ser Tyr Tyr Glu Lys His Pro Leu Tyr Arg Lys Met
                740                 745                 750
Lys Leu Arg Tyr Pro Ile Asn Glu Glu Ala Leu Glu Lys Ile Gly
                755                 760                 765
Thr Ala Glu Pro Asp Tyr Gly Ala Leu Tyr Glu Gly Arg Asn Pro
                770                 775                 780
Gly Phe Tyr Val Glu Ala Asn Pro Met Pro Thr Phe Lys Cys Ala
                785                 790                 795
```

```
Val Lys Ala Leu Phe Asp Tyr Lys Ala Gln Arg Glu Asp Glu Leu
                800                 805                 810
Thr Phe Ile Lys Ser Ala Ile Ile Gln Asn Val Glu Lys Gln Glu
                815                 820                 825
Gly Gly Trp Trp Arg Gly Asp Tyr Gly Gly Lys Lys Gln Leu Trp
                830                 835                 840
Phe Pro Ser Asn Tyr Val Glu Glu Met Val Asn Pro Val Ala Leu
                845                 850                 855
Glu Pro Glu Arg Glu His Leu Asp Glu Asn Ser Pro Leu Gly Asp
                860                 865                 870
Leu Leu Arg Gly Val Leu Asp Val Pro Ala Cys Gln Ile Ala Trp
                875                 880                 885
Arg Arg Trp Pro Thr Gly Pro Trp Met Leu Leu Pro Thr His Arg
                890                 895                 900
Arg Ser Cys Arg Thr Gly
                905
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<210> 5
<211> 1266
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7513134CD1

<400> 5

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Met Ala Gly Ala Ala Ser Pro Cys Ala Asn Gly Cys Gly Pro Gly
  1                 5                  10                  15
Ala Pro Ser Asp Ala Glu Val Leu His Leu Cys Arg Ser Leu Glu
                 20                  25                  30
Val Gly Thr Val Met Thr Leu Phe Tyr Ser Lys Lys Ser Gln Arg
                 35                  40                  45
Pro Glu Arg Lys Thr Phe Gln Val Lys Leu Glu Thr Arg Gln Ile
                 50                  55                  60
Thr Trp Ser Arg Gly Ala Asp Lys Ile Glu Gly Ala Ile Asp Ile
                 65                  70                  75
Arg Glu Ile Lys Glu Ile Arg Pro Gly Lys Thr Ser Arg Asp Phe
                 80                  85                  90
Asp Arg Tyr Gln Glu Asp Pro Ala Phe Arg Pro Asp Gln Ser His
                 95                 100                 105
Cys Phe Val Ile Leu Tyr Gly Met Glu Phe Arg Leu Lys Thr Leu
                110                 115                 120
Ser Leu Gln Ala Thr Ser Glu Asp Glu Val Asn Met Trp Ile Lys
                125                 130                 135
Gly Leu Thr Trp Leu Met Glu Asp Thr Leu Gln Ala Pro Thr Pro
                140                 145                 150
Leu Gln Ile Glu Arg Trp Leu Arg Lys Gln Phe Tyr Ser Val Asp
                155                 160                 165
Arg Asn Arg Glu Asp Arg Ile Ser Ala Lys Asp Leu Lys Asn Met
                170                 175                 180
Leu Ser Gln Val Asn Tyr Arg Val Pro Asn Met Arg Phe Leu Arg
                185                 190                 195
Glu Arg Leu Thr Asp Leu Glu Gln Arg Ser Gly Asp Ile Thr Tyr
                200                 205                 210
Gly Gln Phe Ala Gln Leu Tyr Arg Ser Leu Met Tyr Ser Ala Gln
                215                 220                 225
Lys Thr Met Asp Leu Pro Phe Leu Glu Ala Ser Thr Leu Arg Ala
                230                 235                 240
Gly Glu Arg Pro Glu Leu Cys Arg Val Ser Leu Pro Glu Phe Gln
                245                 250                 255
Gln Phe Leu Leu Asp Tyr Gln Gly Glu Leu Trp Ala Val Asp Arg
                260                 265                 270
```

```
Leu Gln Val Gln Glu Phe Met Leu Ser Phe Leu Arg Asp Pro Leu
                275                 280                 285
Arg Glu Ile Glu Glu Pro Tyr Phe Phe Leu Asp Glu Phe Val Thr
            290                 295                 300
Phe Leu Phe Ser Lys Glu Asn Ser Val Trp Asn Ser Gln Leu Asp
        305                 310                 315
Ala Val Cys Pro Asp Thr Met Asn Asn Pro Leu Ser His Tyr Trp
    320                 325                 330
Ile Ser Ser Ser His Asn Thr Tyr Leu Thr Gly Asp Gln Phe Ser
                335                 340                 345
Ser Glu Ser Ser Leu Glu Ala Tyr Ala Arg Cys Leu Arg Met Gly
            350                 355                 360
Cys Arg Cys Ile Glu Leu Asp Cys Trp Asp Gly Pro Asp Gly Met
        365                 370                 375
Pro Val Ile Tyr His Gly His Thr Leu Thr Thr Lys Ile Lys Phe
    380                 385                 390
Ser Asp Val Leu His Thr Ile Lys Glu His Ala Phe Val Ala Ser
                395                 400                 405
Glu Tyr Pro Val Ile Leu Ser Ile Glu Asp His Cys Ser Ile Ala
            410                 415                 420
Gln Gln Arg Asn Met Ala Gln Tyr Phe Lys Lys Val Leu Gly Asp
        425                 430                 435
Thr Leu Leu Thr Lys Pro Val Glu Ile Ser Ala Asp Gly Leu Pro
    440                 445                 450
Ser Pro Asn Gln Leu Lys Arg Lys Ile Leu Ile Lys His Lys Lys
                455                 460                 465
Leu Ala Glu Gly Ser Ala Tyr Glu Glu Val Pro Thr Ser Met Met
            470                 475                 480
Tyr Ser Glu Asn Asp Ile Ser Asn Ser Ile Lys Asn Gly Ile Leu
        485                 490                 495
Tyr Leu Glu Asp Pro Val Asn His Glu Trp Tyr Pro His Tyr Phe
    500                 505                 510
Val Leu Thr Ser Ser Lys Ile Tyr Tyr Ser Glu Glu Thr Ser Ser
                515                 520                 525
Asp Gln Gly Asn Glu Asp Glu Glu Glu Pro Lys Glu Val Ser Ser
            530                 535                 540
Ser Thr Glu Leu His Ser Asn Glu Lys Trp Phe His Gly Lys Leu
        545                 550                 555
Gly Ala Gly Arg Asp Gly Arg His Ile Ala Glu Arg Leu Leu Thr
    560                 565                 570
Glu Tyr Cys Ile Glu Thr Gly Ala Pro Asp Gly Ser Phe Leu Val
                575                 580                 585
Arg Glu Ser Glu Thr Phe Val Gly Asp Tyr Thr Leu Ser Phe Trp
            590                 595                 600
Arg Asn Gly Lys Val Gln His Cys Arg Ile His Ser Arg Gln Asp
        605                 610                 615
Ala Gly Thr Pro Lys Phe Phe Leu Thr Asp Asn Leu Val Phe Asp
    620                 625                 630
Ser Leu Tyr Asp Leu Ile Thr His Tyr Gln Gln Val Pro Leu Arg
                635                 640                 645
Cys Asn Glu Phe Glu Met Arg Leu Ser Glu Pro Val Pro Gln Thr
            650                 655                 660
Asn Ala His Glu Ser Lys Glu Trp Tyr His Ala Ser Leu Thr Arg
        665                 670                 675
Ala Gln Ala Glu His Met Leu Met Arg Val Pro Arg Asp Gly Ala
    680                 685                 690
Phe Leu Val Arg Lys Arg Asn Glu Pro Asn Ser Tyr Ala Ile Ser
                695                 700                 705
Phe Arg Ala Glu Gly Lys Ile Lys His Cys Arg Val Gln Gln Glu
            710                 715                 720
Gly Gln Thr Val Met Leu Gly Asn Ser Glu Phe Asp Ser Leu Val
        725                 730                 735
Asp Leu Ile Ser Tyr Tyr Glu Lys His Pro Leu Tyr Arg Lys Met
```

```
                740                 745                 750
Lys Leu Arg Tyr Pro Ile Asn Glu Glu Ala Leu Glu Lys Ile Gly
                755                 760                 765
Thr Ala Glu Pro Asp Tyr Gly Ala Leu Tyr Glu Gly Arg Asn Pro
                770                 775                 780
Gly Phe Tyr Val Glu Ala Asn Pro Met Pro Thr Phe Lys Cys Ala
                785                 790                 795
Val Lys Ala Leu Phe Asp Tyr Lys Ala Gln Arg Glu Asp Glu Leu
                800                 805                 810
Thr Phe Ile Lys Ser Ala Ile Ile Gln Asn Val Glu Lys Gln Glu
                815                 820                 825
Gly Gly Trp Trp Arg Gly Asp Tyr Gly Gly Lys Lys Gln Leu Trp
                830                 835                 840
Phe Pro Ser Asn Tyr Val Glu Glu Met Val Asn Pro Val Ala Leu
                845                 850                 855
Glu Pro Glu Arg Glu His Leu Asp Glu Asn Ser Pro Leu Gly Asp
                860                 865                 870
Leu Leu Arg Gly Val Leu Asp Val Pro Ala Cys Gln Ile Ala Ile
                875                 880                 885
Arg Pro Glu Gly Lys Asn Asn Arg Leu Phe Val Phe Ser Ile Ser
                890                 895                 900
Met Ala Ser Val Ala His Trp Ser Leu Asp Val Ala Ala Asp Ser
                905                 910                 915
Gln Glu Glu Leu Gln Asp Trp Val Lys Lys Ile Arg Glu Val Ala
                920                 925                 930
Gln Thr Ala Asp Ala Arg Leu Thr Glu Gly Lys Ile Met Glu Arg
                935                 940                 945
Arg Lys Lys Ile Ala Leu Glu Leu Ser Glu Leu Val Val Tyr Cys
                950                 955                 960
Arg Pro Val Pro Phe Asp Glu Glu Lys Ile Gly Thr Glu Arg Ala
                965                 970                 975
Cys Tyr Arg Asp Met Ser Ser Phe Pro Glu Thr Lys Ala Glu Lys
                980                 985                 990
Tyr Val Asn Lys Ala Lys Gly Lys Lys Phe Leu Gln Tyr Asn Arg
                995                1000                1005
Leu Gln Leu Ser Arg Ile Tyr Pro Lys Gly Gln Arg Leu Asp Ser
               1010                1015                1020
Ser Asn Tyr Asp Pro Leu Pro Met Trp Ile Cys Gly Ser Gln Leu
               1025                1030                1035
Val Ala Leu Asn Phe Gln Thr Pro Asp Lys Pro Met Gln Met Asn
               1040                1045                1050
Gln Ala Leu Phe Met Thr Gly Arg His Cys Gly Tyr Val Leu Gln
               1055                1060                1065
Pro Ser Thr Met Arg Asp Glu Ala Phe Asp Pro Phe Asp Lys Ser
               1070                1075                1080
Ser Leu Arg Gly Leu Glu Pro Cys Ala Ile Ser Ile Glu Val Leu
               1085                1090                1095
Gly Ala Arg His Leu Pro Lys Asn Gly Arg Gly Ile Val Cys Pro
               1100                1105                1110
Phe Val Glu Ile Glu Val Ala Gly Ala Glu Tyr Asp Ser Thr Lys
               1115                1120                1125
Gln Lys Thr Glu Phe Val Val Asp Asn Gly Leu Asn Pro Val Trp
               1130                1135                1140
Pro Ala Lys Pro Phe His Phe Gln Ile Ser Asn Pro Glu Phe Ala
               1145                1150                1155
Phe Leu Arg Phe Val Val Tyr Glu Glu Asp Met Phe Ser Asp Gln
               1160                1165                1170
Asn Phe Leu Ala Gln Ala Thr Phe Pro Val Lys Gly Leu Lys Thr
               1175                1180                1185
Gly Tyr Arg Ala Val Pro Leu Lys Asn Asn Tyr Ser Glu Asp Leu
               1190                1195                1200
Glu Leu Ala Ser Leu Leu Ile Lys Ile Asp Ile Phe Pro Ala Lys
               1205                1210                1215
```

```
Gly Pro Lys Lys Asp Ser Gly Gln Trp Arg Gln Pro Pro Leu Val
                1220                1225                1230
Val Pro Gln Pro Arg Trp Arg Ala Ala Gly Ala Val Arg Leu Val
                1235                1240                1245
Glu Cys Arg Glu Leu Gly Ser Leu Glu Ala Ala Pro Cys Gly Gly
                1250                1255                1260
Leu Pro Gly Leu Ala Ala
                1265
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<210> 6
<211> 433
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7523653CD1

<400> 6

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Met Leu Ala Ala Thr Val Leu Thr Leu Ala Leu Leu Gly Asn Ala
  1               5                  10                  15
His Ala Cys Ser Lys Gly Thr Ser His Glu Ala Gly Ile Val Cys
             20                  25                  30
Arg Ile Thr Lys Pro Ala Leu Leu Val Leu Asn His Glu Thr Ala
             35                  40                  45
Lys Val Ile Gln Thr Ala Phe Gln Arg Ala Ser Tyr Pro Asp Ile
             50                  55                  60
Thr Gly Glu Lys Ala Met Met Leu Leu Gly Gln Val Lys Tyr Gly
             65                  70                  75
Leu His Asn Ile Gln Ile Ser His Leu Ser Ile Ala Ser Ser Gln
             80                  85                  90
Val Glu Leu Val Glu Ala Lys Ser Ile Asp Val Ser Ile Gln Asn
             95                 100                 105
Val Ser Val Val Phe Lys Gly Thr Leu Lys Tyr Gly Tyr Thr Thr
            110                 115                 120
Ala Trp Trp Leu Gly Ile His Gln Ser Ile Asp Phe Glu Ile Asp
            125                 130                 135
Ser Ala Ile Asp Leu Gln Ile Asn Thr Gln Leu Thr Cys Asp Ser
            140                 145                 150
Gly Arg Val Arg Thr Asp Ala Pro Asp Cys Tyr Leu Ser Phe His
            155                 160                 165
Lys Leu Leu Leu His Leu Gln Gly Glu Arg Glu Pro Gly Trp Ile
            170                 175                 180
Lys Gln Leu Phe Thr Asn Phe Ile Ser Phe Thr Leu Lys Leu Val
            185                 190                 195
Leu Lys Gly Gln Ile Cys Lys Glu Ile Asn Val Ile Ser Asn Ile
            200                 205                 210
Met Ala Asp Phe Val Gln Thr Arg Ala Ala Ser Ile Leu Ser Asp
            215                 220                 225
Gly Asp Ile Gly Val Asp Ile Ser Leu Thr Gly Asn Pro Val Ile
            230                 235                 240
Thr Ala Ser Tyr Leu Glu Ser His His Lys Ala Val Leu Gln Thr
            245                 250                 255
Trp Gly Phe Asn Thr Asn Gln Glu Ile Phe Gln Glu Val Val Gly
            260                 265                 270
Gly Phe Pro Ser Gln Ala Gln Val Thr Val His Cys Leu Lys Met
            275                 280                 285
Pro Lys Ile Ser Cys Gln Asn Lys Gly Val Val Val Asn Ser Ser
            290                 295                 300
Val Met Val Lys Phe Leu Phe Pro Arg Pro Asp Gln Gln His Ser
            305                 310                 315
Val Ala Tyr Thr Phe Glu Glu Asp Ile Val Thr Thr Val Gln Ala
            320                 325                 330
```

Ser Tyr Ser Lys Lys Lys Leu Phe Leu Ser Leu Leu Asp Phe Gln
335 340 345
Ile Thr Pro Lys Thr Val Ser Asn Leu Thr Glu Ser Ser Ser Glu
350 355 360
Ser Ile Gln Ser Phe Leu Gln Ser Met Ile Thr Ala Val Gly Ile
365 370 375
Pro Glu Val Met Ser Arg Leu Glu Val Val Phe Thr Ala Leu Met
380 385 390
Asn Ser Lys Gly Val Ser Leu Phe Asp Ile Ile Asn Pro Glu Ile
395 400 405
Ile Thr Arg Asp Gly Phe Leu Leu Leu Gln Met Asp Phe Gly Phe
410 415 420
Pro Glu His Leu Leu Val Asp Phe Leu Gln Ser Leu Ser
425 430

<210> 7
<211> 1076
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7751418CD1

<400> 7
Met Glu Pro Arg Ser Cys Pro Pro Trp Asp Ala Cys Pro Ala Thr
1 5 10 15
Leu Gly Val Trp Gln Gly Arg Pro Arg Gly Ala Cys Ser His Asn
20 25 30
Gln Gln Thr Thr Ala Phe Arg His Pro Val Thr Gly Gln Phe Ser
35 40 45
Pro Glu Asn Ser Glu Phe Ile Leu Gln Glu Glu Pro Asn Pro His
50 55 60
Met Ser Lys Gln Asp Arg Asn Gln Arg Pro Ser Ser Met Val Ser
65 70 75
Glu Thr Ser Thr Ala Gly Thr Ala Ser Thr Leu Glu Ala Lys Pro
80 85 90
Gly Pro Lys Ile Ile Lys Ser Ser Ser Lys Val His Ser Phe Gly
95 100 105
Lys Arg Asp Gln Ala Ile Arg Arg Asn Pro Asn Val Pro Val Val
110 115 120
Val Arg Gly Trp Leu His Lys Gln Asp Ser Ser Gly Met Arg Leu
125 130 135
Trp Lys Arg Arg Trp Phe Val Leu Ala Asp Tyr Cys Leu Phe Tyr
140 145 150
Tyr Lys Asp Ser Arg Glu Glu Ala Val Leu Gly Ser Ile Pro Leu
155 160 165
Pro Ser Tyr Val Ile Ser Pro Val Ala Pro Glu Asp Arg Ile Ser
170 175 180
Arg Lys Tyr Ser Phe Lys Ala Val His Thr Gly Met Arg Ala Leu
185 190 195
Ile Tyr Asn Ser Ser Thr Ala Gly Ser Gln Ala Glu Gln Ser Gly
200 205 210
Met Arg Thr Tyr Tyr Phe Ser Ala Asp Thr Gln Glu Asp Met Asn
215 220 225
Ala Trp Val Arg Ala Met Asn Gln Ala Ala Gln Val Leu Ser Arg
230 235 240
Ser Ser Leu Lys Arg Asp Met Glu Lys Val Glu Arg Gln Ala Val
245 250 255
Pro Gln Ala Asn His Thr Glu Ser Cys His Glu Cys Gly Arg Val
260 265 270
Gly Pro Gly His Thr Arg Asp Cys Pro His Arg Gly His Asp Asp
275 280 285

```
Ile Val Asn Phe Glu Arg Gln Glu Gln Glu Gly Glu Gln Tyr Arg
                290                 295                 300
Ser Gln Arg Asp Pro Leu Glu Gly Lys Arg Asp Arg Ser Lys Ala
                305                 310                 315
Arg Ser Pro Tyr Ser Pro Ala Glu Glu Asp Ala Leu Phe Met Asp
                320                 325                 330
Leu Pro Thr Gly Pro Arg Gly Gln Gln Ala Gln Pro Gln Arg Ala
                335                 340                 345
Glu Lys Asn Gly Met Leu Pro Ala Ser Tyr Gly Pro Gly Glu Gln
                350                 355                 360
Asn Gly Thr Gly Gly Tyr Gln Arg Ala Phe Pro Pro Arg Thr Asn
                365                 370                 375
Pro Glu Lys His Ser Gln Arg Lys Ser Asn Leu Ala Gln Val Glu
                380                 385                 390
His Trp Ala Arg Ala Gln Lys Gly Asp Ser Arg Ser Leu Pro Leu
                395                 400                 405
Asp Gln Thr Leu Pro Arg Gln Gly Pro Gly Gln Ser Leu Ser Phe
                410                 415                 420
Pro Glu Asn Tyr Gln Thr Leu Pro Lys Ser Thr Arg His Pro Ser
                425                 430                 435
Gly Gly Ser Ser Pro Pro Pro Arg Asn Leu Pro Ser Asp Tyr Lys
                440                 445                 450
Tyr Ala Gln Asp Arg Ala Ser His Leu Lys Met Ser Ser Glu Glu
                455                 460                 465
Arg Arg Ala His Arg Asp Gly Thr Val Trp Gln Leu Tyr Glu Trp
                470                 475                 480
Gln Gln Arg Gln Gln Phe Arg His Gly Ser Pro Thr Ala Pro Ile
                485                 490                 495
Cys Leu Gly Ser Pro Glu Phe Thr Asp Gln Gly Arg Ser Arg Ser
                500                 505                 510
Met Leu Glu Val Pro Arg Ser Ile Ser Val Pro Pro Ser Pro Ser
                515                 520                 525
Asp Ile Pro Pro Pro Gly Pro Pro Arg Val Phe Pro Pro Arg Arg
                530                 535                 540
Pro His Thr Pro Ala Glu Arg Val Thr Val Lys Pro Pro Asp Gln
                545                 550                 555
Arg Arg Ser Val Asp Ile Ser Leu Gly Asp Ser Pro Arg Arg Ala
                560                 565                 570
Arg Gly His Ala Val Lys Asn Ser Ser His Val Asp Arg Arg Ser
                575                 580                 585
Met Pro Ser Met Gly Tyr Met Thr His Thr Val Ser Ala Pro Ser
                590                 595                 600
Leu His Gly Lys Ser Ala Asp Asp Thr Tyr Leu Gln Leu Lys Lys
                605                 610                 615
Asp Leu Glu Tyr Leu Asp Leu Lys Met Thr Gly Arg Asp Leu Leu
                620                 625                 630
Lys Asp Arg Ser Leu Lys Pro Val Lys Ile Ala Glu Ser Asp Thr
                635                 640                 645
Asp Val Lys Leu Ser Ile Phe Cys Glu Gln Asp Arg Val Leu Gln
                650                 655                 660
Asp Leu Glu Asp Lys Ile Arg Ala Leu Lys Glu Asn Lys Asp Gln
                665                 670                 675
Leu Glu Ser Val Leu Glu Val Leu His Arg Gln Met Glu Gln Tyr
                680                 685                 690
Arg Asp Gln Pro Gln His Leu Glu Lys Ile Ala Tyr Gln Gln Lys
                695                 700                 705
Leu Leu Gln Glu Asp Leu Val His Ile Arg Ala Glu Leu Ser Arg
                710                 715                 720
Glu Ser Thr Glu Met Glu Asn Ala Trp Asn Glu Tyr Leu Lys Leu
                725                 730                 735
Glu Asn Asp Val Glu Gln Leu Lys Gln Thr Leu Gln Glu Gln His
                740                 745                 750
Arg Arg Ala Phe Phe Phe Gln Glu Lys Ser Gln Ile Gln Lys Asp
```

```
                755                 760                 765
Leu Trp Arg Ile Glu Asp Val Thr Ala Gly Leu Ser Ala Asn Lys
                770                 775                 780
Glu Asn Phe Arg Ile Leu Val Glu Ser Val Lys Asn Pro Glu Arg
                785                 790                 795
Lys Thr Val Pro Leu Phe Pro His Pro Pro Val Pro Ser Leu Ser
                800                 805                 810
Thr Ser Glu Ser Lys Pro Pro Pro Gln Pro Ser Pro Pro Thr Ser
                815                 820                 825
Pro Val Arg Thr Pro Leu Glu Val Arg Leu Phe Pro Gln Leu Gln
                830                 835                 840
Thr Tyr Val Pro Tyr Arg Pro His Pro Pro Gln Leu Arg Lys Val
                845                 850                 855
Thr Ser Pro Leu Gln Ser Pro Thr Lys Ala Lys Pro Lys Val Gln
                860                 865                 870
Glu Asp Glu Ala Pro Pro Arg Pro Pro Leu Pro Glu Leu Tyr Ser
                875                 880                 885
Pro Glu Asp Gln Pro Pro Ala Val Pro Pro Leu Pro Arg Glu Ala
                890                 895                 900
Thr Ile Ile Arg His Thr Ser Val Arg Gly Leu Lys Arg Gln Ser
                905                 910                 915
Asp Glu Arg Lys Arg Asp Arg Glu Leu Gly Gln Cys Val Asn Gly
                920                 925                 930
Asp Ser Arg Val Glu Leu Arg Ser Tyr Val Ser Glu Pro Glu Leu
                935                 940                 945
Ala Thr Leu Ser Gly Asp Met Ala Gln Pro Ser Leu Gly Leu Val
                950                 955                 960
Gly Pro Glu Ser Arg Tyr Gln Thr Leu Pro Gly Arg Gly Leu Ser
                965                 970                 975
Gly Ser Thr Ser Arg Leu Gln Gln Ser Ser Thr Ile Ala Pro Tyr
                980                 985                 990
Val Thr Leu Arg Arg Gly Leu Asn Ala Glu Ser Ser Lys Ala Thr
                995                1000                1005
Phe Pro Arg Pro Lys Ser Ala Leu Glu Arg Leu Tyr Ser Gly Asp
               1010                1015                1020
His Gln Arg Gly Lys Met Ser Ala Glu Glu Gln Leu Glu Arg Met
               1025                1030                1035
Lys Arg His Gln Lys Ala Leu Val Arg Glu Arg Lys Arg Thr Leu
               1040                1045                1050
Gly Gln Gly Glu Arg Thr Gly Leu Pro Ser Ser Arg Tyr Leu Ser
               1055                1060                1065
Arg Pro Leu Pro Gly Asp Leu Gly Ser Val Cys
               1070                1075
```

<210> 8
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7523952CD1

<400> 8

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Met Ala Leu Phe Gly Ala Leu Phe Leu Ala Leu Leu Ala Gly Ala
  1               5                  10                  15
His Ala Glu Phe Pro Gly Cys Lys Ile Arg Val Thr Ser Lys Ala
             20                  25                  30
Leu Glu Leu Val Lys Gln Glu Gly Leu Arg Phe Leu Glu Gln Glu
             35                  40                  45
Leu Glu Thr Ile Thr Ile Pro Asp Leu Arg Arg Lys Glu Gly His
             50                  55                  60
Phe Tyr Tyr Asn Ile Ser Glu Pro Gly Leu Glu Arg Gly Ala Asp
```

65 70 75
Lys Phe Pro Val Val Gly Gly Ser Ser Leu Phe Leu Ala Leu Asp
80 85 90
Leu Thr Leu Arg Pro Pro Val Gly
95

<210> 9
<211> 619
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7513020CD1

<400> 9
Met Glu Ser Ser Ser Ser Ser Asn Ser Tyr Phe Ser Val Gly Pro
1 5 10 15
Thr Ser Pro Ser Ala Val Val Leu Leu Tyr Ser Leu Ser Lys Glu
20 25 30
Ser Leu Gln Ser Val Asp Val Leu Arg Glu Glu Val Ser Glu Ile
35 40 45
Leu Asp Glu Met Ser His Lys Leu Arg Leu Gly Ala Ile Arg Phe
50 55 60
Cys Ala Phe Thr Leu Ser Lys Val Phe Lys Gln Ile Phe Ser Lys
65 70 75
Val Cys Val Asn Glu Glu Gly Ile Gln Lys Leu Gln Arg Ala Ile
80 85 90
Gln Glu His Pro Val Val Leu Leu Pro Ser His Arg Ser Tyr Ile
95 100 105
Asp Phe Leu Met Leu Ser Phe Leu Leu Tyr Asn Tyr Asp Leu Pro
110 115 120
Val Pro Val Ile Ala Ala Gly Met Asp Phe Leu Gly Met Lys Met
125 130 135
Val Gly Glu Leu Leu Arg Met Ser Gly Ala Phe Phe Met Arg Arg
140 145 150
Thr Phe Gly Gly Asn Lys Leu Tyr Trp Ala Val Phe Ser Glu Tyr
155 160 165
Val Lys Thr Met Leu Arg Asn Gly Tyr Ala Pro Val Glu Phe Phe
170 175 180
Leu Glu Gly Thr Arg Ser Arg Ser Ala Lys Thr Leu Thr Pro Lys
185 190 195
Phe Gly Leu Leu Asn Ile Val Met Glu Pro Phe Phe Lys Arg Glu
200 205 210
Val Phe Asp Thr Tyr Leu Val Pro Ile Ser Ile Ser Tyr Asp Lys
215 220 225
Ile Leu Glu Glu Thr Leu Tyr Val Tyr Glu Leu Leu Gly Val Pro
230 235 240
Lys Pro Lys Glu Ser Thr Thr Gly Leu Leu Lys Ala Arg Lys Ile
245 250 255
Leu Ser Glu Asn Phe Gly Ser Ile His Val Tyr Phe Gly Asp Pro
260 265 270
Val Ser Leu Arg Ser Leu Ala Ala Gly Arg Met Ser Arg Ser Ser
275 280 285
Tyr Asn Leu Val Pro Arg Tyr Ile Pro Gln Lys Gln Ser Glu Asp
290 295 300
Met His Ala Phe Val Thr Glu Val Ala Tyr Lys Met Glu Leu Leu
305 310 315
Gln Ile Glu Asn Met Val Leu Ser Pro Trp Thr Leu Ile Val Ala
320 325 330
Val Leu Leu Gln Asn Arg Pro Ser Met Asp Phe Asp Ala Leu Val
335 340 345
Glu Lys Thr Leu Trp Leu Lys Gly Leu Thr Gln Ala Phe Gly Gly

```
                350                 355                 360
Phe Leu Ile Trp Pro Asp Asn Lys Pro Ala Glu Glu Val Val Pro
                365                 370                 375
Ala Ser Ile Leu Leu His Ser Asn Ile Ala Ser Leu Val Lys Asp
                380                 385                 390
Gln Val Ile Leu Lys Val Asp Ser Gly Asp Ser Glu Val Val Asp
                395                 400                 405
Gly Leu Met Leu Gln His Ile Thr Leu Leu Met Cys Ser Ala Tyr
                410                 415                 420
Arg Asn Gln Leu Leu Asn Ile Phe Val Arg Pro Ser Leu Val Ala
                425                 430                 435
Val Ala Leu Gln Met Thr Pro Gly Phe Arg Lys Glu Asp Val Tyr
                440                 445                 450
Ser Cys Phe Arg Phe Leu Arg Asp Val Phe Ala Asp Glu Phe Ile
                455                 460                 465
Phe Leu Pro Gly Asn Thr Leu Lys Asp Phe Glu Glu Gly Cys Tyr
                470                 475                 480
Leu Leu Cys Lys Ser Glu Ala Ile Gln Val Thr Thr Lys Asp Ile
                485                 490                 495
Leu Val Thr Glu Lys Gly Asn Thr Val Leu Glu Phe Leu Val Gly
                500                 505                 510
Leu Phe Lys Pro Phe Val Glu Ser Tyr Gln Ile Ile Cys Lys Tyr
                515                 520                 525
Leu Leu Ser Glu Glu Glu Asp His Phe Ser Glu Glu Gln Tyr Leu
                530                 535                 540
Ala Ala Val Arg Lys Phe Thr Ser Gln Leu Leu Asp Gln Gly Thr
                545                 550                 555
Ser Gln Cys Tyr Asp Val Leu Ser Ser Asp Val Gln Lys Asn Ala
                560                 565                 570
Leu Ala Ala Cys Val Arg Leu Gly Val Val Glu Lys Lys Lys Ile
                575                 580                 585
Asn Asn Asn Cys Ile Phe Asn Val Asn Glu Pro Ala Thr Thr Lys
                590                 595                 600
Leu Glu Glu Met Leu Gly Cys Lys Thr Pro Ile Gly Lys Pro Ala
                605                 610                 615
Thr Ala Lys Leu
```

<210> 10
<211> 1433
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7513162CD1

<400> 10

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Met Gly Leu Arg Pro Gly Ile Phe Leu Leu Glu Leu Leu Leu Leu
  1               5                  10                  15
Leu Gly Gln Gly Thr Pro Gln Ile His Thr Ser Pro Arg Lys Ser
                20                  25                  30
Thr Leu Glu Gly Gln Leu Trp Pro Glu Thr Leu Lys Asn Ser Pro
                35                  40                  45
Phe Pro Cys Asn Pro Asn Lys Leu Gly Val Asn Met Pro Ser Lys
                50                  55                  60
Ser Val His Ser Leu Lys Pro Ser Asp Ile Lys Phe Val Ala Ala
                65                  70                  75
Ile Gly Asn Leu Glu Ile Pro Pro Asp Pro Gly Thr Gly Asp Leu
                80                  85                  90
Glu Lys Gln Asp Trp Thr Glu Arg Pro Gln Gln Val Cys Met Gly
                95                 100                 105
Val Met Thr Val Leu Ser Asp Ile Ile Arg Tyr Phe Ser Pro Ser
```

```
                110                 115                 120
Val Pro Met Pro Val Cys His Thr Gly Lys Arg Val Ile Pro His
                125                 130                 135
Asp Gly Ala Glu Asp Leu Trp Ile Gln Ala Gln Glu Leu Val Arg
                140                 145                 150
Asn Met Lys Glu Asn Leu Gln Leu Asp Phe Gln Phe Asp Trp Lys
                155                 160                 165
Leu Ile Asn Val Phe Phe Ser Asn Ala Ser Gln Cys Tyr Leu Cys
                170                 175                 180
Pro Ser Ala Gln Gln Asn Gly Leu Ala Ala Gly Gly Val Asp Glu
                185                 190                 195
Leu Met Gly Val Leu Asp Tyr Leu Gln Gln Glu Val Pro Arg Ala
                200                 205                 210
Phe Val Asn Leu Val Asp Leu Ser Glu Val Ala Glu Val Ser Arg
                215                 220                 225
Gln Tyr His Gly Thr Trp Leu Ser Pro Ala Pro Glu Pro Cys Asn
                230                 235                 240
Cys Ser Glu Glu Thr Thr Arg Leu Ala Lys Val Val Met Gln Trp
                245                 250                 255
Ser Tyr Gln Glu Ala Trp Asn Ser Leu Leu Ala Ser Ser Arg Tyr
                260                 265                 270
Ser Glu Gln Glu Ser Phe Thr Val Val Phe Gln Pro Phe Phe Tyr
                275                 280                 285
Glu Thr Thr Pro Ser Leu His Ser Glu Asp Pro Arg Leu Gln Asp
                290                 295                 300
Ser Thr Thr Leu Ala Trp His Leu Trp Asn Arg Met Met Glu Pro
                305                 310                 315
Ala Gly Glu Lys Asp Glu Pro Leu Ser Val Lys His Gly Arg Pro
                320                 325                 330
Met Lys Cys Pro Ser Gln Glu Ser Pro Tyr Leu Phe Ser Tyr Arg
                335                 340                 345
Asn Ser Asn Tyr Leu Thr Arg Leu Gln Lys Pro Gln Asp Lys Leu
                350                 355                 360
Glu Val Arg Glu Gly Ala Glu Ile Arg Cys Pro Asp Lys Asp Pro
                365                 370                 375
Ser Asp Thr Val Pro Thr Ser Val His Arg Leu Lys Pro Ala Asp
                380                 385                 390
Ile Asn Val Ile Gly Ala Leu Gly Asp Ser Leu Thr Ala Gly Asn
                395                 400                 405
Gly Ala Gly Ser Thr Pro Gly Asn Val Leu Asp Val Leu Thr Gln
                410                 415                 420
Tyr Arg Gly Leu Ser Trp Ser Val Gly Gly Asp Glu Asn Ile Gly
                425                 430                 435
Thr Val Thr Thr Leu Ala Asn Ile Leu Arg Glu Phe Asn Pro Ser
                440                 445                 450
Leu Lys Gly Phe Ser Val Gly Thr Gly Lys Glu Thr Ser Pro Asn
                455                 460                 465
Ala Phe Leu Asn Gln Ala Val Ala Gly Gly Arg Ala Glu Asp Leu
                470                 475                 480
Pro Val Gln Ala Arg Arg Leu Val Asp Leu Met Lys Asn Asp Thr
                485                 490                 495
Arg Ile His Phe Gln Glu Asp Trp Lys Ile Ile Thr Leu Phe Ile
                500                 505                 510
Gly Gly Asn Asp Leu Cys Asp Phe Cys Asn Asp Leu Val His Tyr
                515                 520                 525
Ser Pro Gln Asn Phe Thr Asp Asn Ile Gly Lys Ala Leu Asp Ile
                530                 535                 540
Leu His Ala Glu Val Pro Arg Ala Phe Val Asn Leu Val Thr Val
                545                 550                 555
Leu Glu Ile Val Asn Leu Arg Glu Leu Tyr Gln Glu Lys Lys Val
                560                 565                 570
Tyr Cys Pro Arg Met Ile Leu Arg Ser Leu Cys Pro Cys Val Leu
                575                 580                 585
```

```
Lys Phe Asp Asp Asn Ser Thr Glu Leu Ala Thr Leu Ile Glu Phe
                590                 595                 600
Asn Lys Lys Phe Gln Glu Lys Thr His Gln Leu Ile Glu Ser Gly
                605                 610                 615
Arg Tyr Asp Thr Arg Glu Asp Phe Thr Val Val Val Gln Pro Phe
                620                 625                 630
Phe Glu Asn Val Asp Met Pro Lys Thr Ser Glu Gly Leu Pro Asp
                635                 640                 645
Asn Ser Phe Phe Ala Pro Asp Cys Phe His Phe Ser Ser Lys Ser
                650                 655                 660
His Ser Arg Ala Ala Ser Ala Leu Trp Asn Asn Met Leu Glu Pro
                665                 670                 675
Val Gly Gln Lys Thr Thr Arg His Lys Phe Glu Asn Lys Ile Asn
                680                 685                 690
Ile Thr Cys Pro Asn Gln Val Gln Pro Phe Leu Arg Thr Tyr Lys
                695                 700                 705
Asn Ser Met Gln Gly His Gly Thr Trp Leu Pro Cys Arg Asp Arg
                710                 715                 720
Ala Pro Ser Ala Leu His Pro Thr Ser Val His Ala Leu Arg Pro
                725                 730                 735
Ala Asp Ile Gln Val Val Ala Ala Leu Gly Asp Ser Leu Thr Ala
                740                 745                 750
Gly Asn Gly Ile Gly Ser Lys Pro Asp Asp Leu Pro Asp Val Thr
                755                 760                 765
Thr Gln Tyr Arg Gly Leu Ser Tyr Ser Ala Gly Gly Asp Gly Ser
                770                 775                 780
Leu Glu Asn Val Thr Thr Leu Pro Asn Ile Leu Arg Glu Phe Asn
                785                 790                 795
Arg Asn Leu Thr Gly Tyr Ala Val Gly Thr Gly Asp Ala Asn Asp
                800                 805                 810
Thr Asn Ala Phe Leu Asn Gln Ala Val Pro Gly Ala Lys Ala Glu
                815                 820                 825
Asp Leu Met Ser Gln Val Gln Thr Leu Met Gln Lys Met Lys Asp
                830                 835                 840
Asp His Arg Val Asn Phe His Glu Asp Trp Lys Val Ile Thr Val
                845                 850                 855
Leu Ile Gly Gly Ser Asp Leu Cys Asp Tyr Cys Thr Asp Ser Asn
                860                 865                 870
Leu Tyr Ser Ala Ala Asn Phe Val Asp His Leu Arg Asn Ala Leu
                875                 880                 885
Asp Val Leu His Arg Glu Val Pro Arg Val Leu Val Asn Leu Val
                890                 895                 900
Asp Phe Leu Asn Pro Thr Ile Met Arg Gln Val Phe Leu Gly Asn
                905                 910                 915
Pro Asp Lys Cys Pro Val Gln Gln Ala Ser Val Leu Cys Asn Cys
                920                 925                 930
Val Leu Thr Leu Arg Glu Asn Ser Gln Glu Leu Ala Arg Leu Glu
                935                 940                 945
Ala Phe Ser Arg Ala Tyr Arg Ser Ser Met Arg Glu Leu Val Gly
                950                 955                 960
Ser Gly Arg Tyr Asp Thr Gln Glu Asp Phe Ser Val Val Leu Gln
                965                 970                 975
Pro Phe Phe Gln Asn Ile Gln Leu Pro Val Leu Ala Asp Gly Leu
                980                 985                 990
Pro Asp Thr Ser Phe Phe Ala Pro Asp Cys Ile His Pro Asn Gln
                995                1000                1005
Lys Phe His Ser Gln Leu Ala Arg Ala Leu Trp Thr Asn Met Leu
               1010                1015                1020
Glu Pro Leu Gly Ser Lys Thr Glu Thr Leu Asp Leu Arg Ala Glu
               1025                1030                1035
Met Pro Ile Thr Cys Pro Thr Gln Asn Glu Pro Phe Leu Arg Thr
               1040                1045                1050
Pro Arg Asn Ser Asn Tyr Thr Tyr Pro Ile Lys Pro Ala Ile Glu
```

```
                1055                1060                1065
Asn Trp Gly Ser Asp Phe Leu Cys Thr Glu Trp Lys Ala Ser Asn
                1070                1075                1080
Ser Val Pro Thr Ser Val His Gln Leu Arg Pro Ala Asp Ile Lys
                1085                1090                1095
Val Val Ala Ala Leu Gly Asp Ser Leu Thr Thr Ala Val Gly Ala
                1100                1105                1110
Arg Pro Asn Asn Ser Ser Asp Leu Pro Thr Ser Trp Arg Gly Leu
                1115                1120                1125
Ser Trp Ser Ile Gly Gly Asp Gly Asn Leu Glu Thr His Thr Thr
                1130                1135                1140
Leu Pro Asn Ile Leu Lys Lys Phe Asn Pro Tyr Leu Leu Gly Phe
                1145                1150                1155
Ser Thr Ser Thr Trp Glu Gly Thr Ala Gly Leu Asn Val Ala Ala
                1160                1165                1170
Glu Gly Ala Arg Ala Arg Asp Met Pro Ala Gln Ala Trp Asp Leu
                1175                1180                1185
Val Glu Arg Met Lys Asn Ser Pro Asp Ile Asn Leu Glu Lys Asp
                1190                1195                1200
Trp Lys Leu Val Thr Leu Phe Ile Gly Val Asn Asp Leu Cys His
                1205                1210                1215
Tyr Cys Glu Asn Pro Glu Ala His Leu Ala Thr Glu Tyr Val Gln
                1220                1225                1230
His Ile Gln Gln Ala Leu Asp Ile Leu Ser Glu Glu Leu Pro Arg
                1235                1240                1245
Ala Phe Val Asn Val Val Glu Val Met Glu Leu Ala Ser Leu Tyr
                1250                1255                1260
Gln Gly Gln Gly Gly Lys Cys Ala Met Leu Ala Ala Gln Asn Asn
                1265                1270                1275
Cys Thr Cys Leu Arg His Ser Gln Ser Ser Leu Glu Lys Gln Glu
                1280                1285                1290
Leu Lys Lys Val Asn Trp Asn Leu Gln His Gly Ile Ser Ser Phe
                1295                1300                1305
Ser Tyr Trp His Gln Tyr Thr Gln Arg Glu Asp Phe Ala Val Val
                1310                1315                1320
Val Gln Pro Phe Phe Gln Asn Thr Leu Thr Pro Leu Asn Glu Arg
                1325                1330                1335
Gly Asp Thr Asp Leu Thr Phe Phe Ser Glu Asp Cys Phe His Phe
                1340                1345                1350
Ser Asp Arg Gly His Ala Glu Met Ala Ile Ala Leu Trp Asn Asn
                1355                1360                1365
Met Glu Ser Pro Tyr Leu Tyr Thr Leu Arg Asn Ser Arg Leu Leu
                1370                1375                1380
Pro Asp Gln Ala Glu Glu Ala Pro Glu Val Leu Tyr Trp Ala Val
                1385                1390                1395
Pro Val Ala Ala Gly Val Gly Leu Val Val Gly Ile Ile Gly Thr
                1400                1405                1410
Val Val Trp Arg Cys Arg Arg Gly Gly Arg Arg Glu Asp Pro Pro
                1415                1420                1425
Met Ser Leu Arg Thr Val Ala Leu
                1430

<210> 11
<211> 1004
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7513164CD1

<400> 11
Met Gly Leu Arg Pro Gly Ile Phe Leu Leu Glu Leu Leu Leu Leu
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  1               5                  10                  15
Leu Gly Gln Gly Thr Pro Gln Ile His Thr Ser Pro Arg Lys Ser
            20                  25                  30
Thr Leu Glu Gly Gln Leu Trp Pro Glu Thr Leu Lys Asn Ser Pro
            35                  40                  45
Phe Pro Cys Asn Pro Asn Lys Leu Gly Val Asn Met Pro Ser Lys
            50                  55                  60
Ser Val His Ser Leu Lys Pro Ser Asp Ile Lys Phe Val Ala Ala
            65                  70                  75
Ile Gly Asn Leu Glu Ile Pro Pro Asp Pro Gly Thr Gly Asp Leu
            80                  85                  90
Glu Lys Gln Asp Trp Thr Glu Arg Pro Gln Gln Val Cys Met Gly
            95                  100                 105
Val Met Thr Val Leu Ser Asp Ile Ile Arg Tyr Phe Ser Pro Ser
            110                 115                 120
Val Pro Met Pro Val Cys His Thr Gly Lys Arg Val Ile Pro His
            125                 130                 135
Asp Gly Ala Glu Asp Leu Trp Ile Gln Ala Gln Glu Leu Val Arg
            140                 145                 150
Asn Met Lys Glu Asn Leu Gln Leu Asp Phe Gln Phe Asp Trp Lys
            155                 160                 165
Leu Ile Asn Val Phe Phe Ser Asn Ala Ser Gln Cys Tyr Leu Cys
            170                 175                 180
Pro Ser Ala Gln Gln Asn Gly Leu Ala Ala Gly Gly Val Asp Glu
            185                 190                 195
Leu Met Gly Val Leu Asp Tyr Leu Gln Gln Glu Val Pro Arg Ala
            200                 205                 210
Phe Val Asn Leu Val Asp Leu Ser Glu Val Ala Glu Val Ser Arg
            215                 220                 225
Gln Tyr His Gly Thr Trp Leu Ser Pro Ala Pro Glu Pro Cys Asn
            230                 235                 240
Cys Ser Glu Glu Thr Thr Arg Leu Ala Lys Val Val Met Gln Trp
            245                 250                 255
Ser Tyr Gln Glu Ala Trp Asn Ser Leu Leu Ala Ser Ser Arg Tyr
            260                 265                 270
Ser Glu Gln Glu Ser Phe Thr Val Val Phe Gln Pro Phe Phe Tyr
            275                 280                 285
Glu Thr Thr Pro Ser Leu His Ser Glu Asp Pro Arg Leu Gln Asp
            290                 295                 300
Ser Thr Thr Leu Ala Trp His Leu Trp Asn Arg Met Met Glu Pro
            305                 310                 315
Ala Gly Glu Lys Asp Glu Pro Leu Ser Val Lys His Gly Arg Pro
            320                 325                 330
Met Lys Cys Pro Ser Gln Glu Ser Pro Tyr Leu Phe Ser Tyr Arg
            335                 340                 345
Asn Ser Asn Tyr Leu Thr Arg Leu Gln Lys Pro Gln Asp Lys Leu
            350                 355                 360
Glu Val Arg Glu Gly Ala Glu Ile Arg Cys Pro Asp Lys Asp Pro
            365                 370                 375
Ser Asp Thr Val Pro Thr Ser Val His Arg Leu Lys Pro Ala Asp
            380                 385                 390
Ile Asn Val Ile Gly Ala Leu Gly Asp Ser Leu Thr Ala Gly Asn
            395                 400                 405
Gly Ala Gly Ser Thr Pro Gly Asn Val Leu Asp Val Leu Thr Gln
            410                 415                 420
Tyr Arg Gly Leu Ser Trp Ser Val Gly Gly Asp Glu Asn Ile Gly
            425                 430                 435
Thr Val Thr Thr Leu Ala Asn Ile Leu Arg Glu Phe Asn Pro Ser
            440                 445                 450
Leu Lys Gly Phe Ser Val Gly Thr Gly Lys Glu Thr Ser Pro Asn
            455                 460                 465
Ala Phe Leu Asn Gln Ala Val Ala Gly Gly Arg Ala Glu Asp Leu
            470                 475                 480
```

```
Pro Val Gln Ala Arg Arg Leu Val Asp Leu Met Lys Asn Asp Thr
                485                 490                 495
Arg Ile His Phe Gln Glu Asp Trp Lys Ile Ile Thr Leu Phe Ile
            500                 505                 510
Gly Gly Asn Asp Leu Cys Asp Phe Cys Asn Asp Leu Val His Tyr
        515                 520                 525
Ser Pro Gln Asn Phe Thr Asp Asn Ile Gly Lys Ala Leu Asp Ile
    530                 535                 540
Leu His Ala Glu Val Pro Arg Ala Phe Val Asn Leu Val Thr Val
545                 550                 555
Leu Glu Ile Val Asn Leu Arg Glu Leu Tyr Gln Glu Lys Lys Val
            560                 565                 570
Tyr Cys Pro Arg Met Ile Leu Arg Ser Leu Cys Pro Cys Val Leu
        575                 580                 585
Lys Phe Asp Asp Asn Ser Thr Glu Leu Ala Thr Leu Ile Glu Phe
    590                 595                 600
Asn Lys Lys Phe Gln Glu Lys Thr His Gln Leu Ile Glu Ser Gly
605                 610                 615
Arg Tyr Asp Thr Arg Glu Asp Phe Thr Val Val Val Gln Pro Phe
            620                 625                 630
Phe Glu Asn Val Asp Met Pro Lys Thr Ser Glu Gly Leu Pro Asp
        635                 640                 645
Asn Ser Phe Phe Ala Pro Asp Cys Phe His Phe Ser Ser Lys Ser
    650                 655                 660
His Ser Arg Ala Ala Ser Ala Leu Trp Asn Asn Met Leu Glu Pro
665                 670                 675
Val Gly Gln Lys Thr Thr Arg His Lys Phe Glu Asn Lys Ile Asn
            680                 685                 690
Ile Thr Cys Pro Asn Gln Val Gln Pro Phe Leu Arg Thr Tyr Lys
        695                 700                 705
Asn Ser Met Gln Gly His Gly Thr Trp Leu Pro Cys Arg Asp Arg
    710                 715                 720
Ala Pro Ser Ala Leu His Pro Thr Ser Val His Ala Leu Arg Pro
725                 730                 735
Ala Asp Ile Gln Val Val Ala Ala Leu Gly Asp Ser Leu Thr Ala
            740                 745                 750
Gly Asn Gly Ile Gly Ser Lys Pro Asp Asp Leu Pro Asp Val Thr
        755                 760                 765
Thr Gln Tyr Arg Gly Leu Ser Tyr Ser Ala Gly Gly Asp Gly Ser
    770                 775                 780
Leu Glu Asn Val Thr Thr Leu Pro Asn Ile Leu Arg Glu Phe Asn
785                 790                 795
Arg Asn Leu Thr Gly Tyr Ala Val Gly Thr Gly Asp Ala Asn Asp
            800                 805                 810
Thr Asn Ala Phe Leu Asn Gln Ala Val Pro Gly Ala Lys Ala Glu
        815                 820                 825
Asp Leu Met Ser Gln Val Gln Thr Leu Met Gln Lys Met Lys Asp
    830                 835                 840
Asp His Arg Val Asn Phe His Glu Asp Trp Lys Val Ile Thr Val
845                 850                 855
Leu Ile Gly Gly Ser Asp Leu Cys Asp Tyr Cys Thr Asp Ser Asn
            860                 865                 870
Leu Tyr Ser Ala Ala Asn Phe Val His His Leu Arg Asn Ala Leu
        875                 880                 885
Asp Val Leu His Arg Glu Val Pro Arg Val Leu Val Asn Leu Val
    890                 895                 900
Asp Phe Leu Asn Pro Thr Ile Met Arg Gln Val Phe Leu Gly Asn
905                 910                 915
Pro Asp Lys Cys Pro Val Gln Gln Ala Arg Ala Ala Cys Ala Ser
            920                 925                 930
Trp Trp Gly Gln Ala Ala Met Thr Arg Arg Arg Thr Ser Leu Trp
        935                 940                 945
Cys Cys Ser Pro Ser Ser Arg Thr Ser Ser Ser Leu Ser Trp Arg
```

950 955 960
Met Gly Ser Gln Ile Arg Pro Ser Leu Pro Gln Thr Ala Ser Thr
965 970 975
Gln Ile Arg Asn Ser Thr Pro Ser Trp Pro Glu Pro Phe Gly Pro
980 985 990
Ile Cys Leu Asn His Leu Glu Ala Lys Gln Arg Pro Trp Thr
995 1000

<210> 12
<211> 380
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7513496CD1

<400> 12
Met Glu Gly Ala Ala Leu Leu Arg Val Ser Val Leu Cys Ile Trp
1 5 10 15
Val Gln Gln Asn Val Pro Ser Gly Thr Asp Thr Gly Asp Pro Gln
20 25 30
Ser Lys Pro Leu Gly Asp Trp Ala Ala Gly Thr Met Asp Pro Glu
35 40 45
Ser Ser Ile Phe Ile Glu Asp Ala Ile Lys Tyr Phe Lys Glu Lys
50 55 60
Val Ser Thr Gln Asn Leu Leu Leu Leu Leu Thr Asp Asn Glu Ala
65 70 75
Trp Asn Gly Phe Val Ala Ala Ala Glu Leu Pro Arg Asn Glu Ala
80 85 90
Asp Glu Leu Arg Lys Ala Leu Asp Asn Leu Ala Arg Gln Met Ile
95 100 105
Met Lys Asp Lys Asn Trp His Asp Lys Gly Gln Gln Tyr Arg Asn
110 115 120
Trp Phe Leu Lys Glu Phe Pro Arg Leu Lys Ser Lys Leu Glu Asp
125 130 135
Asn Ile Arg Arg Leu Arg Ala Leu Ala Asp Gly Val Gln Lys Val
140 145 150
His Lys Gly Thr Thr Ile Ala Asn Val Val Ser Gly Ser Leu Ser
155 160 165
Ile Ser Ser Gly Ile Leu Thr Leu Val Gly Met Gly Leu Ala Pro
170 175 180
Phe Thr Glu Gly Gly Ser Leu Val Leu Leu Glu Pro Gly Met Glu
185 190 195
Leu Gly Ile Thr Ala Ala Leu Thr Gly Ile Thr Ser Ser Thr Ile
200 205 210
Asp Tyr Gly Lys Lys Trp Trp Thr Gln Ala Gln Ala His Asp Leu
215 220 225
Val Ile Lys Ser Leu Asp Lys Leu Lys Glu Val Lys Glu Phe Leu
230 235 240
Gly Glu Asn Ile Ser Asn Phe Leu Ser Leu Ala Gly Asn Thr Tyr
245 250 255
Gln Leu Thr Arg Gly Ile Gly Lys Asp Ile Arg Ala Leu Arg Arg
260 265 270
Ala Arg Ala Asn Leu Gln Ser Val Pro His Ala Ser Ala Ser Arg
275 280 285
Pro Arg Val Thr Glu Pro Ile Ser Ala Glu Ser Gly Glu Gln Val
290 295 300
Glu Arg Val Asn Glu Pro Ser Ile Leu Glu Met Ser Arg Gly Val
305 310 315
Lys Leu Thr Asp Val Ala Pro Val Ser Phe Phe Leu Val Leu Asp
320 325 330
Val Val Tyr Leu Val Tyr Glu Ser Lys His Leu His Glu Gly Ala

```
                335                 340                 345
Lys Ser Glu Thr Ala Glu Glu Leu Lys Lys Val Ala Gln Glu Leu
                350                 355                 360
Glu Glu Lys Leu Asn Ile Leu Asn Asn Asn Tyr Lys Ile Leu Gln
                365                 370                 375
Ala Asp Gln Glu Leu
                380

<210> 13
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7514724CD1

<400> 13
Met Arg Ile Trp Trp Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly
  1               5                  10                  15
Asn Ile Asn Ser Gln Asp Thr Cys Arg Gln Gly His Pro Gly Ile
                20                  25                  30
Pro Gly Asn Pro Gly His Asn Val Leu Pro Gly Arg Asp Gly Arg
                35                  40                  45
Asp Gly Ala Lys Gly Asp Lys Gly Asp Ala Gly Glu Pro Gly Cys
                50                  55                  60
Pro Gly Ser Pro Gly Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
                65                  70                  75
Arg Gly Ala Asp Gly Lys Val Glu Ala Lys Gly Ile Lys Gly Met
                80                  85                  90
Phe Arg Cys Leu Trp Ser Lys Thr Glu
                95

<210> 14
<211> 304
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7514797CD1

<400> 14
Met Ala Ala Gly Ile Val Ala Ser Arg Arg Leu Arg Asp Leu Leu
  1               5                  10                  15
Thr Arg Arg Leu Thr Gly Ser Asn Tyr Pro Gly Leu Ser Ile Ser
                20                  25                  30
Leu Arg Leu Thr Gly Ser Ser Ala Gln Glu Ala Ala Ser Gly Val
                35                  40                  45
Ala Leu Gly Glu Ala Pro Asp His Ser Tyr Glu Ser Leu Arg Val
                50                  55                  60
Thr Ser Ala Gln Lys His Val Leu His Val Gln Leu Asn Arg Pro
                65                  70                  75
Asn Lys Arg Asn Ala Met Asn Lys Val Phe Trp Arg Glu Met Val
                80                  85                  90
Glu Cys Phe Asn Lys Ile Ser Arg Asp Ala Asp Cys Arg Ala Val
                95                 100                 105
Val Ile Ser Gly Ala Gly Lys Met Phe Thr Ala Gly Ile Asp Leu
               110                 115                 120
Met Asp Met Ala Ser Asp Ile Leu Gln Pro Lys Gly Asp Asp Val
               125                 130                 135
Ala Arg Ile Ser Trp Tyr Leu Arg Asp Ile Ile Thr Arg Tyr Gln
               140                 145                 150
```

```
Glu Thr Phe Asn Val Ile Glu Arg Cys Pro Lys Pro Val Ile Ala
                155                 160                 165
Ala Val His Gly Gly Cys Ile Gly Gly Gly Val Asp Leu Val Thr
                170                 175                 180
Ala Cys Asp Ile Arg Tyr Cys Ala Gln Asp Ala Phe Phe Gln Val
                185                 190                 195
Lys Glu Val Asp Val Gly Leu Ala Ala Asp Val Gly Thr Leu Gln
                200                 205                 210
Arg Leu Pro Lys Val Ile Gly Asn Gln Ser Arg Val Phe Pro Asp
                215                 220                 225
Lys Glu Val Met Leu Asp Ala Ala Leu Ala Leu Ala Ala Glu Ile
                230                 235                 240
Ser Ser Lys Ser Pro Val Ala Val Gln Ser Thr Lys Val Asn Leu
                245                 250                 255
Leu Tyr Ser Arg Asp His Ser Val Ala Glu Ser Leu Asn Tyr Val
                260                 265                 270
Ala Ser Trp Asn Met Ser Met Leu Gln Thr Gln Asp Leu Val Lys
                275                 280                 285
Ser Val Gln Ala Thr Thr Glu Asn Lys Glu Leu Lys Thr Val Thr
                290                 295                 300
Phe Ser Lys Leu
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<210> 15
<211> 180
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7512100CD1

<400> 15

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Met Ala Thr Pro Tyr Val Pro Val Pro Met Pro Ile Gly Asn Ser
  1                 5                  10                  15
Ala Ser Ser Phe Thr Thr Asn Arg Asn Gln Arg Ser Ser Ser Phe
                 20                  25                  30
Gly Ser Val Ser Thr Ser Ser Asn Ser Ser Lys Gly Gln Leu Glu
                 35                  40                  45
Asp Ser Asn Met Gly Thr Ala Ser Ser Ile Glu Tyr Ser Thr Arg
                 50                  55                  60
Pro Arg Asp Thr Glu Glu Gln Asn Pro Glu Thr Val Asn Trp Glu
                 65                  70                  75
Asp Arg Pro Ser Thr Pro Thr Ile Leu Gly Tyr Glu Val Met Glu
                 80                  85                  90
Glu Arg Ala Lys Phe Thr Val Tyr Lys Ile Leu Val Lys Lys Thr
                 95                 100                 105
Pro Glu Glu Ser Trp Val Val Phe Arg Arg Tyr Thr Asp Phe Ser
                110                 115                 120
Arg Leu Asn Asp Lys Leu Lys Glu Met Phe Pro Gly Phe Arg Leu
                125                 130                 135
Ala Leu Pro Pro Lys Arg Trp Phe Lys Asp Asn Tyr Asn Ala Asp
                140                 145                 150
Phe Leu Glu Asp Arg Gln Leu Gly Leu Gln Ala Phe Leu Gln Asn
                155                 160                 165
Leu Val Ala His Lys Asp Ile Ala Asn Trp His Ser Val Lys Leu
                170                 175                 180
```

<210> 16
<211> 209
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7512101CD1

<400> 16
Met Ala Thr Pro Tyr Val Pro Val Pro Met Pro Ile Gly Asn Ser
1 5 10 15
Ala Ser Ser Phe Thr Thr Asn Arg Asn Gln Arg Ser Ser Ser Phe
20 25 30
Gly Ser Val Ser Thr Ser Ser Asn Ser Ser Lys Gly Gln Leu Glu
35 40 45
Asp Ser Asn Met Gly Asn Phe Lys Gln Thr Ser Val Pro Asp Gln
50 55 60
Met Asp Asn Thr Ser Ser Val Cys Ser Ser Pro Leu Ile Arg Thr
65 70 75
Lys Phe Thr Gly Thr Ala Ser Ser Ile Glu Tyr Ser Thr Arg Pro
80 85 90
Arg Asp Thr Glu Glu Gln Asn Pro Glu Thr Val Asn Trp Glu Asp
95 100 105
Arg Pro Ser Thr Pro Thr Ile Leu Gly Tyr Glu Val Met Glu Glu
110 115 120
Arg Ala Lys Phe Thr Val Tyr Lys Ile Leu Val Lys Lys Thr Pro
125 130 135
Glu Glu Ser Trp Val Val Phe Arg Arg Tyr Thr Asp Phe Ser Arg
140 145 150
Leu Asn Asp Lys Leu Lys Glu Met Phe Pro Gly Phe Arg Leu Ala
155 160 165
Leu Pro Pro Lys Arg Trp Phe Lys Asp Asn Tyr Asn Ala Asp Phe
170 175 180
Leu Glu Asp Arg Gln Leu Gly Leu Gln Ala Phe Leu Gln Asn Leu
185 190 195
Val Ala His Lys Asp Ile Ala Asn Trp His Ser Val Lys Leu
200 205

<210> 17
<211> 419
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7516771CD1

<400> 17
Met Lys Met Arg Phe Leu Gly Leu Val Val Cys Leu Val Leu Trp
1 5 10 15
Thr Leu His Ser Glu Gly Ser Arg Gly Lys Leu Thr Ala Val Asp
20 25 30
Pro Glu Thr Asn Met Asn Val Ser Glu Ile Ile Ser Tyr Trp Gly
35 40 45
Phe Pro Ser Glu Glu Tyr Leu Val Glu Thr Glu Asp Gly Tyr Ile
50 55 60
Leu Cys Leu Asn Arg Ile Pro His Gly Arg Lys Asn His Ser Asp
65 70 75
Lys Gly Glu Gly Ala Val Pro Trp Asn Met Lys Lys Val Ser Met
80 85 90
Ser Leu Asp Met Leu Pro Gly Pro Lys Pro Val Val Phe Leu Gln
95 100 105
His Gly Leu Leu Ala Asp Ser Ser Asn Trp Val Thr Asn Leu Ala
110 115 120
Asn Ser Ser Leu Gly Phe Ile Leu Ala Asp Ala Gly Phe Asp Val
125 130 135
Trp Met Gly Asn Ser Arg Gly Asn Thr Trp Ser Arg Lys His Lys

```
                140                 145                 150
Thr Leu Ser Val Ser Gln Asp Glu Phe Trp Ala Phe Ser Tyr Asp
                155                 160                 165
Glu Met Ala Lys Tyr Asp Leu Pro Ala Ser Ile Asn Phe Ile Leu
                170                 175                 180
Asn Lys Thr Gly Gln Glu Gln Val Tyr Tyr Val Gly His Ser Gln
                185                 190                 195
Gly Thr Thr Ile Gly Phe Ile Ala Phe Ser Gln Ile Pro Glu Leu
                200                 205                 210
Ala Lys Arg Ile Lys Met Phe Phe Ala Leu Gly Pro Val Ala Ser
                215                 220                 225
Val Ala Phe Cys Thr Ser Pro Met Ala Lys Leu Gly Arg Leu Pro
                230                 235                 240
Asp His Leu Ile Lys Asp Leu Phe Gly Asp Lys Glu Phe Leu Pro
                245                 250                 255
Gln Ser Ala Phe Leu Lys Trp Leu Gly Thr His Val Cys Thr His
                260                 265                 270
Val Ile Leu Lys Glu Leu Cys Gly Asn Leu Cys Phe Leu Leu Cys
                275                 280                 285
Gly Phe Asn Glu Arg Asn Leu Asn Met Ser Arg Val Asp Val Tyr
                290                 295                 300
Thr Thr His Ser Pro Ala Gly Thr Ser Val Gln Asn Met Leu His
                305                 310                 315
Trp Ser Gln Ala Val Lys Phe Gln Lys Phe Gln Ala Phe Asp Trp
                320                 325                 330
Gly Ser Ser Ala Lys Asn Tyr Phe His Tyr Asn Gln Ser Tyr Pro
                335                 340                 345
Pro Thr Tyr Asn Val Lys Asp Met Leu Val Pro Thr Ala Val Trp
                350                 355                 360
Ser Gly Gly His Asp Trp Leu Ala Asp Val Tyr Asp Val Asn Ile
                365                 370                 375
Leu Leu Thr Gln Ile Thr Asn Leu Val Phe His Glu Ser Ile Pro
                380                 385                 390
Glu Trp Glu His Leu Asp Phe Ile Trp Gly Leu Asp Ala Pro Trp
                395                 400                 405
Arg Leu Tyr Asn Lys Ile Ile Asn Leu Met Arg Lys Tyr Gln
                410                 415
```

<210> 18
<211> 244
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7512128CD1

<400> 18

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Met Ala Gly Tyr Glu Tyr Val Ser Pro Glu Gln Leu Ala Gly Phe
  1                 5                  10                  15
Asp Lys Tyr Arg Tyr Ser Ala Val Asp Thr Asn Pro Leu Ser Leu
                 20                  25                  30
Tyr Val Met His Pro Phe Trp Asn Thr Ile Val Lys Val Phe Pro
                 35                  40                  45
Thr Trp Leu Ala Pro Asn Leu Ile Thr Phe Ser Gly Phe Leu Leu
                 50                  55                  60
Val Val Phe Asn Phe Leu Leu Met Ala Tyr Phe Asp Pro Asp Phe
                 65                  70                  75
Tyr Ala Ser Ala Pro Gly His Lys His Val Pro Asp Trp Val Trp
                 80                  85                  90
Ile Val Val Gly Ile Leu Asn Phe Val Ala Tyr Thr Leu Asp Gly
                 95                 100                 105
Val Asp Gly Lys Gln Ala Arg Arg Thr Asn Ser Ser Thr Pro Leu
```

110 115 120
Gly Glu Leu Phe Asp His Gly Leu Asp Ser Trp Ser Cys Val Tyr
125 130 135
Phe Val Val Thr Val Tyr Ser Ile Phe Gly Arg Gly Ser Thr Gly
140 145 150
Val Ser Val Phe Val Leu Tyr Leu Leu Leu Trp Val Val Leu Phe
155 160 165
Ser Phe Ile Leu Ser His Trp Gly Lys Tyr Asn Thr Gly Ile Leu
170 175 180
Phe Leu Pro Trp Gly Tyr Asp Ile Ser Gln Val Thr Ile Ser Phe
185 190 195
Val Tyr Ile Val Thr Ala Val Val Gly Val Glu Ala Trp Tyr Glu
200 205 210
Pro Phe Leu Phe Asn Phe Leu Tyr Arg Asp Leu Phe Thr Ala Met
215 220 225
Ile Ile Gly Cys Ala Leu Cys Val Thr Leu Pro Met Ser Leu Leu
230 235 240
Asn Phe Phe Arg

<210> 19
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7518098CD1

<400> 19
Met Pro Ala His Leu Leu Gln Asp Asp Ile Ser Ser Ser Tyr Thr
1 5 10 15
Thr Thr Thr Thr Ile Thr Ala Pro Pro Ser Arg Val Leu Gln Asn
20 25 30
Gly Gly Asp Lys Leu Glu Thr Met Pro Leu Tyr Leu Glu Asp Asp
35 40 45
Ile Arg Pro Asp Ile Lys Asp Asp Ile Tyr Asp Pro Thr Tyr Lys
50 55 60
Asp Lys Glu Gly Pro Ser Pro Lys Val Glu Tyr Val Trp Arg Asn
65 70 75
Ile Ile Leu Met Ser Leu Leu His Leu Gly Ala Leu Tyr Gly Ile
80 85 90
Thr Leu Ile Pro Thr Cys Lys Phe Tyr Thr Trp Leu Trp Gly Val
95 100 105
Phe Tyr Tyr Phe Val Ser Ala Leu Gly Ile Thr Ala Gly Ala His
110 115 120
Arg Leu Trp Ser His Arg Ser Tyr Lys Ala Arg Leu Pro Leu Arg
125 130 135
Leu Phe Leu Ile Ile Ala Asn Thr Met Ala Phe Gln Ser Pro Gln
140 145 150
Val Pro Val Gln Ser Leu Ser Pro
155

<210> 20
<211> 426
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7524729CD1

<400> 20

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Met Ser Asn Ser Val Pro Leu Leu Cys Phe Trp Ser Leu Cys Tyr
 1               5                  10                  15
Cys Phe Ala Ala Gly Ser Pro Val Pro Phe Gly Pro Glu Gly Arg
            20                  25                  30
Leu Glu Asp Lys Leu His Lys Pro Lys Ala Thr Gln Thr Glu Val
        35                  40                  45
Lys Pro Ser Val Arg Phe Asn Leu Arg Thr Ser Lys Asp Pro Glu
    50                  55                  60
His Glu Gly Cys Tyr Leu Ser Val Gly His Ser Gln Pro Leu Glu
65                  70                  75
Asp Cys Ser Phe Asn Met Thr Ala Lys Thr Phe Phe Ile Ile His
                80                  85                  90
Gly Trp Thr Met Ser Gly Ile Phe Glu Asn Trp Leu His Lys Leu
            95                  100                 105
Val Ser Ala Leu His Thr Arg Glu Lys Asp Ala Asn Val Val Val
        110                 115                 120
Val Asp Trp Leu Pro Leu Ala His Gln Leu Tyr Thr Asp Ala Val
    125                 130                 135
Asn Asn Thr Arg Val Val Gly His Ser Ile Ala Arg Met Leu Asp
140                 145                 150
Trp Leu Gln Glu Lys Asp Asp Phe Ser Leu Gly Asn Val His Leu
155                 160                 165
Ile Gly Tyr Ser Leu Gly Ala His Val Ala Gly Tyr Ala Gly Asn
                170                 175                 180
Phe Val Lys Gly Thr Val Gly Arg Ile Thr Ala Ile Thr Glu Val
            185                 190                 195
Val Lys Cys Glu His Glu Arg Ala Val His Leu Phe Val Asp Ser
        200                 205                 210
Leu Val Asn Gln Asp Lys Pro Ser Phe Ala Phe Gln Cys Thr Asp
    215                 220                 225
Ser Asn Arg Phe Lys Lys Gly Ile Cys Leu Ser Cys Arg Lys Asn
230                 235                 240
Arg Cys Asn Ser Ile Gly Tyr Asn Ala Lys Lys Met Arg Asn Lys
245                 250                 255
Arg Asn Ser Lys Met Tyr Leu Lys Thr Arg Ala Gly Met Pro Phe
                260                 265                 270
Arg Val Tyr His Tyr Gln Met Lys Ile His Val Phe Ser Tyr Lys
            275                 280                 285
Asn Met Gly Glu Ile Glu Pro Thr Phe Tyr Val Thr Leu Tyr Gly
        290                 295                 300
Thr Asn Ala Asp Ser Gln Thr Leu Pro Leu Glu Ile Val Glu Arg
305                 310                 315
Ile Glu Gln Asn Ala Thr Asn Thr Phe Leu Val Tyr Thr Glu Gly
                320                 325                 330
Asp Leu Gly Asp Leu Leu Lys Ile Gln Leu Thr Trp Glu Gly Ala
            335                 340                 345
Ser Gln Ser Trp Tyr Asn Leu Trp Lys Glu Phe Arg Ser Tyr Leu
        350                 355                 360
Ser Gln Pro Arg Asn Pro Gly Arg Glu Leu Asn Ile Arg Arg Ile
    365                 370                 375
Arg Val Lys Ser Gly Glu Thr Gln Arg Lys Leu Thr Phe Cys Thr
380                 385                 390
Glu Asp Pro Glu Asn Thr Ser Ile Ser Pro Gly Arg Glu Leu Trp
395                 400                 405
Phe Arg Lys Cys Arg Asp Gly Trp Arg Met Lys Asn Glu Thr Ser
                410                 415                 420
Pro Thr Val Glu Leu Pro
            425
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<210> 21
<211> 909
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7520475CD1

<400> 21

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Met Val Ala Glu Asn Pro Glu Val Thr Lys Gln Trp Val Glu Gly
  1               5                  10                  15
Leu Arg Ser Ile Ile His Asn Phe Arg Ala Asn Asn Val Ser Pro
             20                  25                  30
Met Thr Cys Leu Lys Lys His Trp Met Lys Leu Ala Phe Met Thr
         35                  40                  45
Asn Thr Asn Gly Lys Ile Pro Val Arg Ser Ile Thr Arg Thr Phe
     50                  55                  60
Ala Ser Gly Lys Thr Glu Lys Val Ile Phe Gln Ala Leu Lys Glu
 65                  70                  75
Leu Gly Leu Pro Ser Gly Lys Asn Asp Glu Ile Glu Pro Thr Ala
             80                  85                  90
Phe Ser Tyr Glu Lys Phe Tyr Glu Leu Thr Gln Lys Ile Cys Pro
         95                 100                 105
Arg Thr Asp Ile Glu Asp Leu Phe Lys Lys Ile Asn Gly Asp Lys
        110                 115                 120
Thr Asp Tyr Leu Thr Val Asp Gln Leu Val Ser Phe Leu Asn Glu
        125                 130                 135
His Gln Arg Asp Pro Arg Leu Asn Glu Ile Leu Phe Pro Phe Tyr
        140                 145                 150
Asp Ala Lys Arg Ala Met Gln Ile Ile Glu Met Tyr Glu Pro Asp
        155                 160                 165
Glu Asp Leu Lys Lys Lys Gly Leu Ile Ser Ser Asp Gly Phe Cys
        170                 175                 180
Arg Tyr Leu Met Ser Asp Glu Asn Ala Pro Val Phe Leu Asp Arg
        185                 190                 195
Leu Glu Leu Tyr Gln Glu Met Asp His Pro Leu Ala His Tyr Phe
        200                 205                 210
Ile Ser Ser Ser His Asn Thr Tyr Leu Thr Gly Arg Gln Phe Gly
        215                 220                 225
Gly Lys Ser Ser Val Glu Met Tyr Arg Gln Val Leu Leu Ala Gly
        230                 235                 240
Cys Arg Cys Val Glu Leu Asp Cys Trp Asp Gly Lys Gly Glu Asp
        245                 250                 255
Gln Glu Pro Ile Ile Thr His Gly Lys Ala Met Cys Thr Asp Ile
        260                 265                 270
Leu Phe Lys Asp Val Ile Gln Ala Ile Lys Glu Thr Ala Phe Val
        275                 280                 285
Thr Ser Glu Tyr Pro Val Ile Leu Ser Phe Glu Asn His Cys Ser
        290                 295                 300
Lys Tyr Gln Gln Tyr Lys Met Ser Lys Tyr Cys Glu Asp Leu Phe
        305                 310                 315
Gly Asp Leu Leu Leu Lys Gln Ala Leu Glu Ser His Pro Leu Glu
        320                 325                 330
Pro Gly Arg Ala Leu Pro Ser Pro Asn Asp Leu Lys Arg Lys Ile
        335                 340                 345
Leu Ile Lys Asn Lys Arg Leu Lys Pro Glu Val Glu Lys Lys Gln
        350                 355                 360
Leu Glu Ala Leu Arg Ser Met Met Glu Ala Gly Glu Ser Ala Ser
        365                 370                 375
Pro Ala Asn Ile Leu Glu Asp Asp Asn Glu Glu Glu Ile Glu Ser
        380                 385                 390
Ala Asp Gln Glu Glu Glu Ala His Pro Glu Phe Lys Phe Gly Asn
        395                 400                 405
Glu Leu Ser Ala Asp Asp Leu Gly His Lys Glu Ala Val Ala Asn
        410                 415                 420
Ser Val Lys Lys Gly Leu Val Thr Val Glu Asp Glu Gln Ala Trp
        425                 430                 435
```

Met Ala Ser Tyr Lys Tyr Val Gly Ala Thr Thr Asn Ile His Pro
440 445 450
His Leu Ser Thr Met Ile Asn Tyr Ala Gln Pro Val Lys Phe Gln
455 460 465
Gly Phe His Val Ala Glu Glu Arg Asn Ile His Tyr Asn Met Ser
470 475 480
Ser Phe Asn Glu Ser Val Gly Leu Gly Tyr Leu Lys Thr His Ala
485 490 495
Ile Glu Phe Val Asn Tyr Asn Lys Arg Gln Met Ser Arg Ile Tyr
500 505 510
Pro Lys Gly Gly Arg Val Asp Ser Ser Asn Tyr Met Pro Gln Ile
515 520 525
Phe Trp Asn Ala Gly Cys Gln Met Val Ser Leu Asn Tyr Gln Thr
530 535 540
Pro Asp Leu Ala Met Gln Leu Asn Gln Gly Lys Phe Glu Tyr Asn
545 550 555
Gly Ser Cys Gly Tyr Leu Leu Lys Pro Asp Phe Met Arg Arg Pro
560 565 570
Asp Arg Thr Phe Asp Pro Phe Ser Glu Thr Pro Val Asp Gly Val
575 580 585
Ile Ala Ala Thr Cys Ser Val Gln Val Ile Ser Gly Gln Phe Leu
590 595 600
Ser Asp Lys Lys Ile Gly Thr Tyr Val Glu Val Asp Met Tyr Gly
605 610 615
Leu Pro Thr Asp Thr Ile Arg Lys Glu Phe Arg Thr Arg Met Val
620 625 630
Met Asn Asn Gly Leu Asn Pro Val Tyr Asn Glu Glu Ser Phe Val
635 640 645
Phe Arg Lys Val Ile Leu Pro Asp Leu Ala Val Leu Arg Ile Ala
650 655 660
Val Tyr Asp Asp Asn Asn Lys Leu Ile Gly Gln Arg Ile Leu Pro
665 670 675
Leu Asp Gly Leu Gln Ala Gly Tyr Arg His Ile Ser Leu Arg Asn
680 685 690
Glu Gly Asn Lys Pro Leu Ser Leu Pro Thr Ile Phe Cys Asn Ile
695 700 705
Val Leu Lys Thr Tyr Val Pro Asp Gly Phe Gly Asp Ile Val Asp
710 715 720
Ala Leu Ser Asp Pro Lys Lys Phe Leu Ser Ile Thr Glu Lys Arg
725 730 735
Ala Asp Gln Met Arg Ala Met Gly Ile Glu Thr Ser Asp Ile Ala
740 745 750
Asp Val Pro Ser Asp Thr Ser Lys Asn Asp Lys Lys Gly Lys Ala
755 760 765
Asn Thr Ala Lys Ala Asn Val Thr Pro Gln Ser Ser Ser Glu Leu
770 775 780
Arg Pro Thr Thr Thr Ala Ala Leu Ala Ser Gly Val Glu Ala Lys
785 790 795
Lys Gly Ile Glu Leu Ile Pro Gln Val Arg Ile Glu Asp Leu Lys
800 805 810
Gln Met Lys Ala Tyr Leu Lys His Leu Lys Lys Gln Gln Lys Glu
815 820 825
Leu Asn Ser Leu Lys Lys Lys His Ala Lys Glu His Ser Thr Met
830 835 840
Gln Lys Leu His Cys Thr Gln Val Asp Lys Ile Val Ala Gln Tyr
845 850 855
Asp Lys Glu Lys Ser Thr His Glu Lys Ile Leu Glu Lys Ala Met
860 865 870
Lys Lys Lys Gly Gly Ser Asn Cys Leu Glu Met Lys Lys Glu Thr
875 880 885
Glu Ile Lys Ile Gln Thr Leu Thr Ser Asp His Lys Ser Lys Gly
890 895 900
Lys Gln Gly Asn Ala Ser Thr Pro Gly

<210> 22
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7511098CB1

<400> 22
gcaccgcagc acgctggagt cccgcttagg taccagttag cgtcagggga gctgggtcag 60
gcggtcgccg ggacaccccg tgtgtggcag gcggcgaagc gctctggaga atcccggaca 120
gccctgctcc ctgcagccag gtgtagtttc gggagccact ggggccaaag tgagagtcca 180
gcggtcttcc agcgcttggg ccacggcggc ggccctggga gcagaggtgg agcgacccca 240
ttacgctaaa gatgaaaggc tggggttggc tggccctgct tctgggggcc ctgctgggaa 300
ccgcctgggc tcggaggagc caggatctcc actgtggagc atgcagggct ctggtggatg 360
aactagaatg ggaaattgcc caggtggacc ccaagaagac cattcagatg ggatctttcc 420
ggatcaatcc agatggcagc cagtcagtgg tggagtgtga gagcattgtg gaggaatacg 480
aggatgaact cattgaattc ttttcccgag aggctgacaa tgttaaagac aaactttgca 540
gtaagcgaac agatctttgt gaccatgccc tgcacatatc gcatgatgag ctatgaacca 600
ctggagcagc ccacactggc ttgatggatc acccccagga gggga 645

<210> 23
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7522037CB1

<400> 23
tacactatgg gcacacgact cctcccagct ctgtttcttg tcctcctggt attgggattt 60
gaggtccagg ggacccaaca gccccagcaa gatgagatgc ctagcccgac cttcctcacc 120
caggtgaagg aatctctctc cagttactgg gagtcagcaa agacagccgc ccagaacctg 180
gacttgtaca gcaaaagcac agcagccatg agcacttaca caggcatttt tactgaccaa 240
gttctttctg tgctgaaggg agaggagtaa cagccagacc ccccata 287

<210> 24
<211> 1159
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7524271CB1

<400> 24
atggctgagt cacacctgct gcagtggctg ctgctgctgc tgcccacgct ctgtggccca 60
ggcactgctg cctggaccac ctcatccttg gcctgtgccc agggccctga gttctggtgc 120
caaagcctgg agcaagcatt gcagtgcaga gccctagggc attgcctaca ggaagtctgg 180
ggacatgtgg gagccgatct ctccgagcag caattcccca ttcctctccc ctattgctgg 240
ctctgcaggg ctctgatcaa gcggatccaa gccatgattc ccaagggtgc gctagctgtg 300
gcagtggccc aggtgtgccg cgtggtacct ctggtggcgg gcggcatctg ccagtgcctg 360
gctgagcgct actccgtcat cctgctcgac acgctgctgg gccgcatgct gccccagctg 420
gtctgccgcc tcgtcctccg gtgctccatg gatgacagcg ctggcccaag agaatggctg 480
ccgcgagact ctgagtgcca cctctgcatg tccgtgacca cccaggccgg gaacagcagc 540
gagcaggcca taccacaggc aatgctccag gcctgtgttg gctcctggct ggacagggaa 600
aagtgcaagc aatttgtgga gcagcacacg ccccagctgc tgaccctggt gcccaggggc 660
tgggatgccc acaccacctg ccaggccctc ggggtgtgtg ggaccatgtc cagccctctc 720
cagtgtatcc acagccccga cctttgatga gaactcagct gtccagaaaa agacaccgtc 780

ctttaaagtg ctgcagtatg gccagacgtg gtggctcaca cctgcaatcc cagcacctta 840
ggaggccgag gcaggaggat ccttgaggtc aggagttcga gaccagcctc gccaacatgg 900
tgaaacccca tttctactaa aaatacaaaa aattagccaa gtgtggtggc atatgcctgt 960
aatcccaact actcagaagg ccgaggcagg agaattactt gaacgcagga gaatcactgc 1020
agcccaggag gcagaggttg cagtgagccg agattgcacc actgcactcc agcctgggtg 1080
acaggagcaa gactccatct cagtaaataa ataaataaat aaaaagcgct gcagtagctg 1140
tggcctcacc tgaagtcag 1159

<210> 25
<211> 4568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7513132CB1

<400> 25
cccaacctca gccgccgccg ttgcgcttgc tcccgggcgg tcctggcctg tgccgccgcc 60
gcccccagcg tcggagccat ggcgggcgcc gcgtcccctt gcgccaacgg ctgcgggccc 120
ggcgcgccct cggacgccga ggtgctgcac ctctgccgca gcctcgaggt gggcaccgtc 180
atgactttgt tctactccaa gaagtcgcag cgacccgagc ggaagacctt ccaggtcaag 240
ctggagacgc gccagatcac gtggagccgg ggcgccgaca agatcgaggg ggccattgac 300
attcgtgaaa ttaaggagat ccgcccaggg aagacctcac gggactttga tcgctatcaa 360
gaggacccag ctttccggcc ggaccagtca cattgctttg tcattctcta tggaatggaa 420
tttcgcctga aaacgctgag cctgcaagcc acatctgagg atgaagtgaa catgtggatc 480
aagggcttaa cttggctgat ggaggataca ttgcaggcac ccacacccct gcagattgag 540
aggtggctcc ggaagcagtt ttactcagtg gatcggaatc gtgaggatcg tatatcagcc 600
aaggacctga agaacatgct gtcccaggtc aactaccggg tccccaacat gcgcttcctc 660
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<213> Homo sapiens

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<213> Homo sapiens

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